

1970nm Bandpass Filter for Pulse Power

FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability
- Various Bandwidth
- High Optical Power

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Laser Systems
- Research Labs



SPECIFICATIONS

Parameters	Unit	Value
Center Wavelength	nm	1970
Min. Pass Band Width @ 0.5dB	nm	8.0
Insertion Loss over Pass Band Wavelength	dB	≤1.4
Stop Wavelength (ASE)	nm	1900-1960 & 1980-2050
Stop Wavelength (ASE) Standard	dB	≥25
Isolation High Isolation	dB	≥45
ASE Direction	-	F: Forward, B: Backward, T: Two-way
Configuration	-	D: 2-port, Y: 3-port, X: 4-port
Optical Return Loss	dB	≥50
Polarization Dependent Loss	dB	≤0.15
Fiber Type	Input&Output	SMF-28 Fiber or SM1950 Fiber (V)
	ASE Guide Out (Y/X Type)	10/130um DC Fiber (O) or 25/250um DC Fiber (R)
Same Fiber or MM Fiber		
Fiber Tensile Load	N	5
Max. Average Optical Power (ASE+Signal)	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20
Max. ASE Average Power	W	0.3, 0.5, 1, 2, 3, 4, 5, 10
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	∅5.5x ^L 38 (≤5W); ∅6.0x ^L 50 (5~10W)
	Metal Box	H: ^L 90x ^W 12x ^H 10 (>10W); M: ^L 120x ^W 12x ^H 10 (≤10W)

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower.
 - Suggest to use Y/X type or H Box if blocked optical power is ≥1W.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
 - Package size may be different for different optical power and configurations.

ORDERING INFORMATION (PN)

FFBP-1970-NN(C) (C) (C) (C) - H NN P NN - (NN) -(C) (C) C NN -CC/CCC													
Bandwidth	ASE Type	ASE Iso	Fwd ASE Fiber	Bwd ASE Fiber	Average Power	Peak Power	ASE Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
80~8nm	B=Backward	I=High	Y=Same Fiber	Y=Same Fiber	03~300mW	01~100W	1= 1W	M=Metal Box	V=SM1950 Fiber	B= Bare fiber	05~0.5m	N=Without Connector	
	T=Two-way	Isolation	A=105/125um Fiber	A=105/125um Fiber	1= 1W	1= 1kW	5= 5W	H=H Box	O=10/130 DC Fiber	L= Loose Tube	10~1.0m	FC/APC=FC/APC Connector	
	Blank for Forward	Blank for	N=None	5=50/125um Fiber	5= 5W	10= 10kW	10=10W	Blank for SST	R=25/250 DC Fiber	2= 2mm Cable	15~1.5m	LC/PC=LC/PC Connector	
		Standard	Blank for D Type	Blank for None or D Type	10=10W	20=20kW	Blank for 300mW		Blank for SMF-28 Fiber	3= 3mm Cable	20~2.0m	SC/UPC=SC/UPC Connector	